

Georgia solar Module Production Project



Overview

In a landmark move for the American renewable energy sector, Georgia-based Qcells is set to open the only fully integrated ingot-to-module photovoltaic (PV) production plant in the United States. This development, centered in Cartersville, Georgia, marks a major shift in domestic solar. The Qcells facility will enable deployment of PV energy systems and domestic capability for critical parts of the solar supply chain. As part of the Biden-Harris Administration's Investing in America agenda, the Department of Energy's (DOE) Loan Programs Office (LPO) announced today the closing of. As of February 2026, there are 19 solar projects in development in Georgia, according to Cleanview's project tracker. Their total planned capacity is 3,989 MW. 5 billion to expand its solar module manufacturing operations in Georgia.

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[An Industry-Defining Project , Total Solar Production Solution](#)

Hanwha Solutions' Qcells is one of the world's largest and most recognized photovoltaic (PV) manufacturers, known for its high-quality solar cells and modules. The company selected Gray to ...

[Hanwha Qcells' new Cartersville factory set for 3.3 GW of solar module](#)

Hanwha Solutions Qcells Division (Hanwha Qcells), a global leader in complete clean energy solutions, has finalized the construction of a 3.3 gigawatt (GW) module production line at its ...



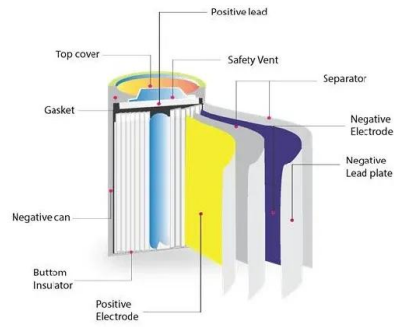
[Qcells to More than Double Production in Georgia, Create 2,500 New ...](#)

Qcells will build a new facility in Cartersville and add a third facility to its Dalton location, creating more than 2,500 new jobs in northwest Georgia. These investments are expected to bring Qcells' total ...



Solar Projects in Georgia

On this page, you can explore our database of solar projects in Georgia. Each month, we track projects in development and update our list of the largest solar projects expected to come online in Georgia.



[Hanwha Qcells Completes Construction of 3.3 GW Plant](#)

Hanwha Qcells, a global leader in clean energy solutions, has completed the construction of a 3.3 GW module production line in Cartersville, GA.



[Qcells completes expansion of Georgia solar manufacturing facility](#)

Qcells announced the successful completion of the expansion of its solar module factory in Dalton, Georgia where it added 2 GW of solar capacity, bringing the factory's output to more than ...



[Georgia solar: Will Qcells' new plant usher in an American-made solar](#)

During an exclusive visit by The Atlanta Journal-Constitution to the Bartow County construction site this week, Qcells said it is on track to begin producing finished solar modules as ...

[Qcells Launches Fully Integrated US Solar Plant](#)

In a landmark move for the American renewable energy sector, Georgia-based Qcells is set to open the only fully integrated ingot-to-module photovoltaic (PV) production plant in the United ...



[LPO Announces \\$1.45 Billion Loan Guarantee to Qcells to Finance a ...](#)

The loan guarantee will support Qcells' solar supply chain facility in Cartersville, Georgia, which will produce ingots, wafers, cells, and finished solar panels.

[Qcells finalizes \\$1.5B DOE loan guarantee for Georgia solar plant](#)

Qcells began some production at the Cartersville site this past spring, with plans to start full-scale operations in 2025. The facility will produce solar components to support the end-to-end ...



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